

[illegible]

Technical drawing of a bridge structure, showing plan and elevation views.

Plan View (Top):

- Overall length: 1004m.
- Span configuration: 370m (N3 Ø10, C=400) + 1004m (N4 Ø16, C=1200) + 370m (N3 Ø10, C=400).
- Abutment details:
 - Left: R=12, 2 N1 Ø16, C=950.
 - Right: R=12, 2 N1 Ø16, C=950.
- Intermediate pier details:
 - Pier 1: 2 N2 Ø16 (2 Ø 2aCAM), C=300.
 - Pier 2: 2 N2 Ø16 (2 Ø 2aCAM), C=300.
 - Pier 3: 2 N2 Ø16 (2 Ø 2aCAM), C=300.
 - Pier 4: 2 N2 Ø16 (2 Ø 2aCAM), C=300.
- Bridge deck details:
 - Width: 2 Ø 16.
 - Length of deck sections: 1550m.
 - Clearance: 4 Ø 16.

Elevation View (Bottom):

- Overall height: 30m.
- Span configuration: 370m (N3 Ø10, C=400) + 1004m (N4 Ø16, C=1200) + 370m (N3 Ø10, C=400).
- Abutment details:
 - Left: R=12, 2 N1 Ø16, C=950.
 - Right: R=12, 2 N1 Ø16, C=950.
- Intermediate pier details:
 - Pier 1: 2 N2 Ø16 (2 Ø 2aCAM), C=300.
 - Pier 2: 2 N2 Ø16 (2 Ø 2aCAM), C=300.
 - Pier 3: 2 N2 Ø16 (2 Ø 2aCAM), C=300.
 - Pier 4: 2 N2 Ø16 (2 Ø 2aCAM), C=300.
- Bridge deck details:
 - Width: 2 Ø 16.
 - Length of deck sections: 1550m.
 - Clearance: 4 Ø 16.

Section A (Right):

- Section A shows a cross-section of the bridge deck with a width of 2 Ø 16.
- Section A also shows a cross-section of the bridge deck with a width of 2 Ø 16.

Technical drawing of a rectangular plate with dimensions and material specifications. The drawing includes a top view, a side view, and a cross-section view.

Top View:

- Overall dimensions: 171 (width) x 40 (height).
- Material: 2 N1 Ø 10 C=240.
- Internal dimensions: 1590 (width) x 11 (height).
- Internal dimensions: N4 C/15 Ø 5.
- Internal dimensions: 2 Ø 10.

Side View:

- Overall dimensions: 405 (width) x 44 (height).
- Material: V406 2 Ø 10.
- Internal dimensions: 15 (width) x 11 (height).
- Internal dimensions: N4 Ø 5 C=121.

Cross Section:

- Overall dimensions: 173 (width) x 31 (height).
- Material: 2 N3 Ø 10 C=225.
- Internal dimensions: 1590 (width) x 11 (height).
- Internal dimensions: N4 C/15 Ø 5.
- Internal dimensions: 2 Ø 10.

AÇO	POS	BIT	QUANT	COMPIMENTO	
				UNIT	TOTAL
		mm		cm	cm
P2=P3=P6=P7=P10=P11=P14=P15 (X8)					
CA50	1	16	8	379	3032
CA50	2	16	8	184	1472
CA60	3	5	52	131	6812
CA50	4	5	28	35	980
CA60	5	16	8	414	3312
CA60	6	5	24	35	840
CA60	7	16	8	350	2800
CA60	8	5	24	131	3144
CA60	9	5	24	34	816
CA60	10	5	4	99	396

P1=P4=P5=P8=P9P12=P13=P16
Cobertura

1ª laje

8 N1 Ø 12.5
28 N3 Ø 5 C/15 C=131

39

315

2ª laje

8 N5 Ø 12.5
24 N6 Ø 5 C/15 C=131

39

350

Fundação

8 N2 Ø 12.5
8 N1 Ø 12.5 C=200

39

315

100

20

40

4 N10 Ø 5 C/15 C=99

8 N7 Ø 12.5
8 N8 Ø 5 C/15 C=350

17 Ø 5 C/15

8 N7 Ø 12.5
8 N8 Ø 5 C/15 C=425

24 N6 Ø 5 C/15

8 N3 Ø 5 C/15

21 Ø 5 C/15

8 N4 Ø 5 C/15

21 Ø 5 C/15

AÇO	POS	BIT	QUANT	COMPRIIMENTO	
				UNIT	TOTAL
		mm		cm	cm
P1=P4=P5=P8=P9P12=P13=P6 (x8)					
CA50	1	12,5	8	390	3120
CA50	2	12,5	8	200	1600
CA60	3	5	52	131	6812
CA60	4	5	28	35	980
CA50	5	12,5	8	425	3400
CA60	6	5	24	35	840
CA50	7	12,5	8	350	2800
CA60	8	5	24	127	3048
CA60	9	5	22	33	792
CA60	10	5	4	99	396

	AQO	POS	BIT	QUANT	LIMIT	
					cm	TOTAL cm
V607-V685 (X2)						
	CAS0	1	16	8	900	7600
	CAS0	2	16	8	900	2400
	CAS0	3	10	8	400	2300
	CAS0	4	10	8	1200	9600
	CAS0	5	10	4	300	1200
	CAS0	6	5	232	121	2962
V610-V687-V616-V619 (X6)						
	CAS0	1	25	16	600	9600
	CAS0	2	16	16	600	9600
	CAS0	3	16	8	1200	9600
	CAS0	4	10	16	1200	19200
	CAS0	5	10	8	370	6560
	CAS0	6	10	88	179	16752
	CAS0	7	5	456	171	77978
	CAS0	8	6.3	40	1200	40000
	CAS0	9	6.3	40	384	39360
V613						
	CAS0	1	12.5	4	800	3200
	CAS0	2	16	2	900	1600
	CAS0	3	16	2	170	1770
	CAS0	4	16	16	4	1300
	CAS0	5	5	142	171	24282
	CAS0	6	6.3	10	1000	10000
	CAS0	7	6.3	10	1200	12000
V617						
	CAS0	1	10	2	240	480
	CAS0	2	12.5	2	120	240
	CAS0	3	10	2	225	450
	CAS0	4	5	11	121	1331

	Elco	Faces
VOLUME DE CONCRETO DE VIGAS	17.95	16.71 m3
TAXA DE ARMADURA	105.2	113.0 kg/fm3

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